

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 10/2/06 Serial # 10/786,027 Priority Application Date 3/29/03

Your Name M. Lewis Examiner # _____

AU 2822 Phone 272-1838 Room 5A30

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐
Secondary Refs ☐ Foreign Patents ☐ Other ☐

OCT 2 REC'D

Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 4-7
Pattern Generation
Problem: See pages 1-3
Solution: 11 11 3 & 4

Staff Use Only

Searcher: Michael O'Keefe
Searcher Phone: 571-272-3663
Searcher Location: STIC-EIC2800, JEF-4B68
Date Searcher Picked Up: 10/2/06
Date Completed: 10/6/06
Searcher Prep/Rev Time: 73
Online Time: 97

Type of Search

Structure (#) _____
Bibliographic ☒
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors

STN ☒
Dialog ☒
Questel/Orbit _____
Lexis-Nexis _____
WWW/Internet _____
Other _____

10/5/2006

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(FILE 'HOME' ENTERED AT 17:01:07 ON 05 OCT 2006)

FILE 'CAPLUS' ENTERED AT 17:01:26 ON 05 OCT 2006

L1 781053 SEA ABB=ON PLU=ON SEMICONDUCTOR OR SEMI CONDUCTOR OR
INTEGRATED CIRCUIT##### OR IC OR I C OR WAFER##### OR CHIP
OR MICROCHIP

L2 1717 SEA ABB=ON PLU=ON (DUMM##### OR ACTUAL#####) (3A) PATTERN####
#####

L3 10443 SEA ABB=ON PLU=ON (PLURAL##### OR DIFFER##### OR MANY OR
MULTI#####) (3A) (WIRE OR WIRING)

L4 261172 SEA ABB=ON PLU=ON RECTANG##### OR ORTHOGONAL OR RIGHT
ANGLE OR SQUAR#####

L5 20112 SEA ABB=ON PLU=ON (ROTAT##### OR TURN##### OR TWIST#####
OR CHANG##### OR ADJUST### OR ALTER#####) (3A) ANGLE

L6 0 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5

L7 24 SEA ABB=ON PLU=ON L1 AND L2 AND L3

L8 0 SEA ABB=ON PLU=ON L7 AND L5

L9 0 SEA ABB=ON PLU=ON L7 AND L4

L10 920 SEA ABB=ON PLU=ON S2 AND S4 AND S5

L11 34 SEA ABB=ON PLU=ON L10 AND CENTER#####

L12 3 SEA ABB=ON PLU=ON L11 AND LONG#####

L13 5 SEA ABB=ON PLU=ON L11 AND POINT####

L14 46 SEA ABB=ON PLU=ON L2 AND L4

L15 0 SEA ABB=ON PLU=ON L14 AND L5

L16 17 SEA ABB=ON PLU=ON L14 AND L1

L17 106105 SEA ABB=ON PLU=ON PERPENDICULAR#####

L18 2 SEA ABB=ON PLU=ON L10 AND L17

L19 12 SEA ABB=ON PLU=ON L7 AND PY<=2003
D L12 1-3 IBIB ABS

L20 5 SEA ABB=ON PLU=ON L13 NOT L12
D L20 IBIB ABS 1-5

L21 11 SEA ABB=ON PLU=ON L16 AND PY<=2003

L22 11 SEA ABB=ON PLU=ON L21 NOT (L12 OR L13)
D L22 IBIB ABS 1-11

L23 2 SEA ABB=ON PLU=ON L18 NOT (L12 OR L13 OR L21)
D L23 IBIB ABS 1-2

L24 12 SEA ABB=ON PLU=ON L19 NOT (L12 OR L13 OR L21 OR L18)
D L24 1-12 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 17:22:42 ON 05 OCT 2006

10/6/2006 10:54:31 AM

10/6/2006 11:29:53 AM

[File 2] INSPEC 1898-2006/Jan W2
 [File 6] NTIS 1964-2006/Jan W4
 [File 8] Ei Compendex(R) 1970-2006/Jan W4
 [File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
 [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
 [File 35] Dissertation Abs Online 1861-2006/Jan
 [File 65] Inside Conferences 1993-2006/Jan W5
 [File 94] JICST-EPlus 1985-2006/Nov W3
 [File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
 [File 144] Pascal 1973-2006/Jan W2
 [File 23] CSA Technology Research Database 1963-2006/Jan
 [File 103] Energy SciTec 1974-2006/Jan B1
 [File 31] World Surface Coatings Abs 1976-2006/Jan
 [File 95] TEME-Technology & Management 1989-2006/Jan W5
 [File 56] Computer and Information Systems Abstracts 1966-2006/Aug
 [File 57] Electronics & Communications Abstracts 1966-2006/Aug
 [File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
 [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
 [File 293] Engineered Materials Abstracts 1966-2006/Jan
 [File 239] Mathsci 1940-2005/Feb
 [File 256] TECINFOSOURCE 82-2005/DEC

Set	Items	Description
S1	5234426	S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT????()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON????()DEVICE? ? OR PRINT????()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX????(3N)CIRCUIT OR FLEX???? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC???? OR INTEGRAT????) (3N)FLEX????
S2	183144	S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?) (3N) (LAYER???? OR FILM???? OR COAT???? OR SHEET???? OR DEPOSIT???? OR LAMINA???? OR OVERLAY???? OR OVERLAY???? OR STACK???? OR MULTILAYER???? OR PLURALIT????) OR (PURAL???? OR DIFFER??? OR MANY OR MULTI???? OR NUMBER????) (3N) (WIRE? ? OR WIRING)
S3	278700	S (DUMM???? OR VIRTUAL???? OR REPLICA???? OR DUPLICATE???? OR MODEL???? OR COPI??? OR COPY???? OR SUBSTITUT???? OR CLON???? OR FACSIMILE? ? OR REPRO???? OR ACTUAL??? OR REAL OR ORIGINAL??? OR ACTUAL??? OR TRUE OR EXTEND????) (3N) (PATTERN???? OR MESH???? OR LATTIC???? OR SCREEN???? OR TEMPLAT???? OR MASK????)
S4	8469002	S RECTANG???? OR ORTHOGONAL???? OR RIGHT()ANGLE?? OR RIGHTANGLE?? OR SQUAR???? OR PERPENDICULAR???? OR VERTICAL???? OR HORIZONT???? OR SHAP???? OR SIZE? ?
S5	80616	S (ROTAT???? OR ARRANG???? OR TURN???? OR TWIST???? OR REVOLV????) (3N) (ANGLE?.? OR ANGULAR OR SLOP???? OR INCLIN???? OR GRADIENT? ?)
S6	0	S (DUMMY()PATTERN????) (10N) (ACTUAL????()PATTERN????)
S7	405707	S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF()WAY????) (3N) (POINT???? OR TARGET???? OR LOCATION???? OR POSITION???? OR SPOT????) OR MIDPOINT???? OR MID()POINT??? OR MEDIAN OR MIDWAY? ? OR MID()WAY? ?
S8	0	S S1 AND S2 AND S3 AND S4 AND S5 AND S7
S9	188	S S3 AND S4 AND S5
S10	13	S S9 AND S1
S11	10	RD (unique items)
S12	10	S S11 AND PY<=2003
S13	0	S S9 AND S7
S14	0	S S9 AND LONG????(2N)SIDE? ?
S15	0	S S9 AND (ORTHOGONAL OR EXTEND????) (3N) (DIRECT???? OR LOCAT???? OR POSITION????)
S16	0	S S9 AND (ORTHOGONAL????(3N) (WIRED OR WIRING))
S17	14	S S9 AND PERPENDICULAR????
S18	8	RD (unique items)

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S19 8 S S18 AND PY<=2003
S20 20 S S9 AND LONG????
S21 16 RD (unique items)
S22 11 S S21 AND PY<=2003
S23 36 S S1 AND S2 AND S3 AND S4

S24 0 S S23 AND (ORTHOGONAL???? OR EXTEND????) (3N) (DIRECT???? OR LOCAT???? OR
POSITION????)

S25 4 S S23 AND (ORTHOGONAL???? OR EXTEND????)
S26 4 RD (unique items)
S27 0 S S23 AND S5
S28 0 S S23 AND (ORTHOGONAL???? (3N) (WIRED OR WIRING))
S29 0 S S23 AND S7
S30 8 S S19 NOT S12
S31 9 S S22 NOT (S19 OR S12)
S32 4 S S26 NOT (S12 OR S19 OR S22)

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607
[File 371] French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	2767186	S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX????(3N)CIRCUIT OR FLEX???? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC???? OR INTEGRAT????) (3N)FLEX????
S2	284383	S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?) (3N) (LAYER???? OR FILM???? OR COAT???? OR SHEET???? OR DEPOSIT???? OR LAMINA???? OR OVERLAY???? OR OVERLAY???? OR STACK???? OR MULTILAYER???? OR PLURALIT????) OR (PURAL???? OR DIFFER??? OR MANY OR MULTI???? OR NUMBER????) (3N) (WIRE? ? OR WIRING)
S3	45077	S (DUMM???? OR VIRTUAL???? OR REPLICA???? OR DUPLICATE???? OR MODEL???? OR COPI??? OR COPY???? OR SUBSTITUT???? OR CLON???? OR FACSIMILE? ? OR REPRO???? OR ACTUAL???? OR REAL OR ORIGINAL???? OR ACTUAL??? OR TRUE OR EXTEND????) (3N) (PATTERN???? OR MESH???? OR LATTIC???? OR SCREEN???? OR TEMPLAT???? OR MASK????)
S4	4958726	S RECTANG???? OR ORTHOGONAL???? OR RIGHT()ANGLE?? OR RIGHTANGLE?? OR SQUAR???? OR PERPENDICULAR???? OR VERTICAL???? OR HORIZONT???? OR SHAP???? OR SIZE? ?
S5	147931	S (ROTAT???? OR ARRANG???? OR TURN???? OR TWIST???? OR REVOLV????) (3N) (ANGLE? ? OR ANGULAR OR SLOP???? OR INCLIN???? OR GRADIENT? ?)
S6	16	S (DUMMY()PATTERN????) (5N) (ACTUAL????()PATTERN????)
S7	154462	S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF()WAY????) (3N) (POINT???? OR TARGET???? OR LOCATION???? OR POSITION???? OR SPOT????) OR MIDPOINT???? OR MID()POINT??? OR MEDIAN OR MIDWAY? ? OR MID()WAY? ?
S8	56418	S IC=(H01L-021/82 OR H01L-023/48)
S9	10431	S MC=(U11-C05D OR U11-D03C1)
S10	0	S S1 AND S2 AND 3 AND S4 AND S5 AND S6 AND S7
S11	373	S S1 AND S2 AND S3 AND S4
S12	7	S S11 AND S5
S13	6	S S12 AND PY<=2003
S14	6	S S6 AND S8
S15	2	S S6 AND S9
S16	7	S S2 AND S3 AND S4 AND S5
S17	6	S S16 AND PY<=2003
S18	9	S S11 AND LONG????(2N)SIDE? ?
S19	8	S S18 AND PY<=2003
S20	68	S S11 AND (ORTHOGONAL???? OR EXTEND????) (3N) (DIRECT???? OR LOCAT???? OR POSITION????)
S21	12	S S20 AND S8
S22	1	S S21 AND S9
S23	2	S S20 AND (ORTHOGONAL????(3N) (WIRED OR WIRING))
S24	6	S S11 AND S7
S25	3	S S24 AND PY<=2003
S26	0	S S1 AND S3 AND S4 AND S5 AND S7
S27	21	S S1 AND S3 AND S4 AND S5
S28	1	S S27 AND S8
S29	0	S S27 AND S9
S30	17	S S27 AND (ORTHOGONAL???? OR EXTEND????)
S31	16	S S30 AND PY<=2003
S32	3	S S31 AND LONG????
S33	6	S S14 NOT S13
S34	0	S S15 NOT (S13 OR S14)
S35	0	S S17 NOT (S13 OR S14 OR S15)

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S36	8	S S19 NOT (S13 OR S14 OR S15 OR S17)
S37	0	S S22 NOT (S13 OR S14 OR S15 OR S17 OR S19)
S38	2	S S23 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22)
S39	2	S S25 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23)
S40	1	S S28 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25)
S41	1	S S32 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25 OR S28)
S42	10	S S21 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25 OR S28 OR S32)